

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: NE-0002

Inventors: Borgstahl et al.

Serial No.: 10/681,874

Filing Date: October 7, 2003

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Title: Digital X-Ray Camera for Quality  
Evaluation Three-Dimensional Topographic  
Reconstruction of Single Crystals

I, Jane Massey Licata, Registration No. 32,257,  
certify that this correspondence is being deposited  
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P.O. Box 1450, Alexandria, VA 22313-1450

On this date: January 27, 2004

Jane Massey Licata  
Jane Massey Licata, Registration No. 32,257

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

(XX) In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified

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application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

( ) In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:

( ) Certification in Accordance with §1.97(e) is attached hereto; or

( ) The fee of \$180.00 as set forth in §1.17(p) is attached.

( ) In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(I) (1).

(XX) Copies of each of the references listed on the attached Form PTO-1449 (modified) are enclosed herewith.


( ) In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO-1449 (modified) are not enclosed herewith because they were previously submitted to the U.S. Patent and Trademark Office in prior application Serial No. \_\_\_\_\_, filed \_\_\_\_\_, for which a claim for priority under 35 U.S.C. §120 has been made in the instant application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1619. This form is submitted in duplicate.

( ) The relevance of the listed references in a foreign language is as stated in the specification at pages @@.

(XX) All listed references are in the English language.

Respectfully submitted,



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Date: January 27, 2004

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Sheet 01 of 02

Form PTO-1449 Modified

Docket No.  
NE-0002Serial No.  
10/681,874List of Patents and Publications  
Cited by Applicant  
(Use several sheets if necessary)Applicant  
Borgstahl et al.

U.S. Department of Commerce

Filing Date  
October 7, 2003Group  
Not Yet Assigned

## U. S. PATENT DOCUMENTS

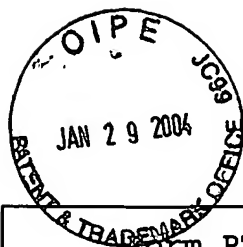
Examiner Initial		Document No.	Date	Name	Class	Subclass
	BA	6,468,346	10-22-02	Arnowitz et al.	117	68
	BB	6,385,289	5-7-02	Kikuchi	378	79
	BC	6,498,829	12-24-02	Borgstahl et al.	378	73

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES NO

EXAMINER

DATE CONSIDERED



Form PTO-1449 Modified  List of Patents and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce		Docket No. <b>NE-0002</b>	Serial No. <b>10/681,874</b>
		Applicant <b>Borgstahl et l.</b>	
		Filing Date <b>October 7, 2003</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AA	Bellamy et al., "The high-mosaicity illusion:revealing the true physical characteristics of macromolecular crystals", Acta Cryst. 2000 D56:986-995	
	AB	Boggon et al., "Synchrotron X-ray reciprocal-space mapping, topography and diffraction resolution studies of macromolecular crystal quality", Acta Cryst. 2000 D56:868-880	
	AC	Dobrianov et al., "X-ray Topographic Studies of Protein Crystal Perfection and Growth", Acta Cryst. 1998 D54:922-937	
	AD	Ludwig et al., "Three-dimensional imaging of crystal defects by 'topo-tomography'", J. Appl. Cryst. 2001 34:602-607	
	AE	Otalora et al., "Topography and high resolution diffraction studies in tetragonal lysozyme", Journal of Crystal Growth 1999 196:546-558	
	AF	Stojanoff et al., "X-ray Topography of Tetragonal Lysozyme Grown by the Temperature-Controlled Technique", Acta Cryst. 1997 D53:558-595	
	AG	Stojanoff et al., "X-ray topography of a lysozyme crystal", Acta Cryst. 1996 A52:498-499	
	AH	Vetter et al., "Synchrotron white-beam X-ray topography of ribonuclease S crystals", Acta Cryst. 2002 D58:579-584	
EXAMINER		DATE CONSIDERED	